



AECOM
303 E. Wacker Drive, Suite 900
Chicago, Illinois 60601

312-938-0300 tel
312-938-1109 fax

September 20, 2013

Mr. Ken Chin
Project Manager
Reliable Contracting and Equipment Company
333 North Ogden Avenue
Chicago, Illinois 60607

RE: Radiological Survey of Right-of-Way Utility Excavation
Permit Address: 330-380 East Illinois Street to 420-500 North New Street
Permit No.: 372783855
AECOM Project No. 60241812

Dear Mr. Chin:

Pursuant to conditions specified in a permit (attached) issued by the City of Chicago Department of Public Health (CDOPH), radiation monitoring was required to be performed at the above referenced site during excavation activities. AECOM Technical Services, Inc. (AECOM) provided the required radiation monitoring between the days of August 29, 2013 and September 13, 2013 for an excavation to install an electrical service package.

Surveying was conducted in 18-inch lifts for soils removed from a 4-foot wide by approximately 315-foot long excavation to a depth ranging between 6-feet to 9-feet below ground surface (bgs) in the Rights-of-Way (ROW) of East Illinois Street and North New Street (refer to annotated drawing), required for the installation of an electrical service package.

The gamma surveying revealed no indication of potentially contaminated fill soil above the clean-up threshold established by the U. S. Environmental Protection Agency (USEPA) for the Streeterville area of Chicago. The USEPA cleanup value for Chicago's Streeterville area is 7.1 picocuries per gram (pCi/g total radium (Ra-226 + Ra-228). Gamma radiation count measurements for the project were made using Ludlum Model 2221 survey meter and an unshielded 2 x 2 inch sodium Iodide (NaI) probe (Model 44-10). For the instrument used, the gamma count threshold indicative of the 7.1 pCi/g cleanup value was 17,920 counts per minute (cpm) unshielded. Thus, gamma readings above 17,920 cpm would be considered a potential indication of the presence of radiologically contaminated fill soil.

A field instrument gamma background for the area was measured by AECOM in the vicinity of project site. The field instrument background was determined to be approximately 6,700 cpm unshielded. The field gamma measurements within the excavation and for the spoil material generated during the excavation process did not exceed the respective field instrument threshold value previously stated and ranged from a minimum of 5,100 cpm to a maximum of 14,800 cpm unshielded. Thus, there was no indication of the presence of radiologically-contaminated fill soil and/or an exceedance of the USEPA cleanup value of 7.1 pCi/g total radium.

As part of the permit conditions this letter has been forwarded to:

Chicago Department of Public Health
Attention: Ms. Rahmat Begum
333 South State Street, Room 200
Chicago, Illinois 60604

Please contact us with any questions you have regarding this letter or the reported results.

Regards,



Brian R. Schmidt
Project Scientist II



Steven C. Kornder, Ph.D.
Senior Project Geoscientist

cc: Rahmat Begum, Chicago Department of Public Health
Verneta Simon, USEPA

Attachments: Permit
Sketch

Chicago Department of Public Health ROW Permit



DEPARTMENT OF PUBLIC HEALTH
CITY OF CHICAGO

FORM NO. CDPH.PRPTY.02 (STREETERVILLE - Private Property)

Notice is hereby given that the site you have requested a permit for is recorded with the City of Chicago Department of Public Health (CDPH) as potentially having environmental contamination on the site. This environmental contamination could present a threat to human health and safety in connection with work performed at the site, if proper safeguards are not employed.

A file containing detailed information regarding the aforementioned environmental contamination is available for review at CDPH at 333 S. State St., Room 200, Chicago, Illinois 60604 during normal business hours (8:30AM-4:30PM, Monday through Friday). Contact (312) 745-3152 for an appointment. This file must be reviewed and the remainder of this form completed before the permit can be issued if the ground is exposed or excavated. Please note that for some locations, additional health and safety procedures may be required by law.

Please complete the following:

I have reviewed and understand the documents, maintained by CDPH, regarding environmental contamination of the site. Further, I will ensure that all work at the subject site, and any monitoring required, including but not limited to, radiation monitoring, will be performed in a manner that is protective of human health and the environment and in compliance with all applicable local, state, and federal laws, rules, and regulations, especially those pertaining to worker safety and waste management. I will ensure that the results of any radiation monitoring and/or surveying conducted shall be provided to CDPH and the United States Environmental Protection Agency (USEPA) within two (2) weeks of their completion. If any elevated levels of radioactive material are detected, I will immediately contact the United States Environmental Protection Agency at (800) 424-8802.

Applicant Name (print):

Fred Comes

Signature:

[Handwritten Signature]

Site Address and Work Location (Describe exact site location and attach map):

330-380 W. ILLINOIS ST. & 420-500 N. NEW ST.

Nature of Work:

EXCAVATION FOR CONDUITS TO INSTALL CONDUIT

Company Name, Address, Phone No.:

RELIABLE CONTRACTING & EQ. CO. 333 N. CROWN AV. CHGO 60607
(312) 966-3626

General / Prime Contractor Name, Address, Phone No.:

Include subcontractor information if applicable

Safety Officer / Phone No.

GLORIA ZAMORA

Radiation Contractor / Phone No. (If applicable)

AECOM (847) 279-2448

Check if City Department Work ☐ Department Name:

CDOT Permit No. or Developer Services No.:

372783855

Today's Date:

8/19

Expected Start Date

8/26/13

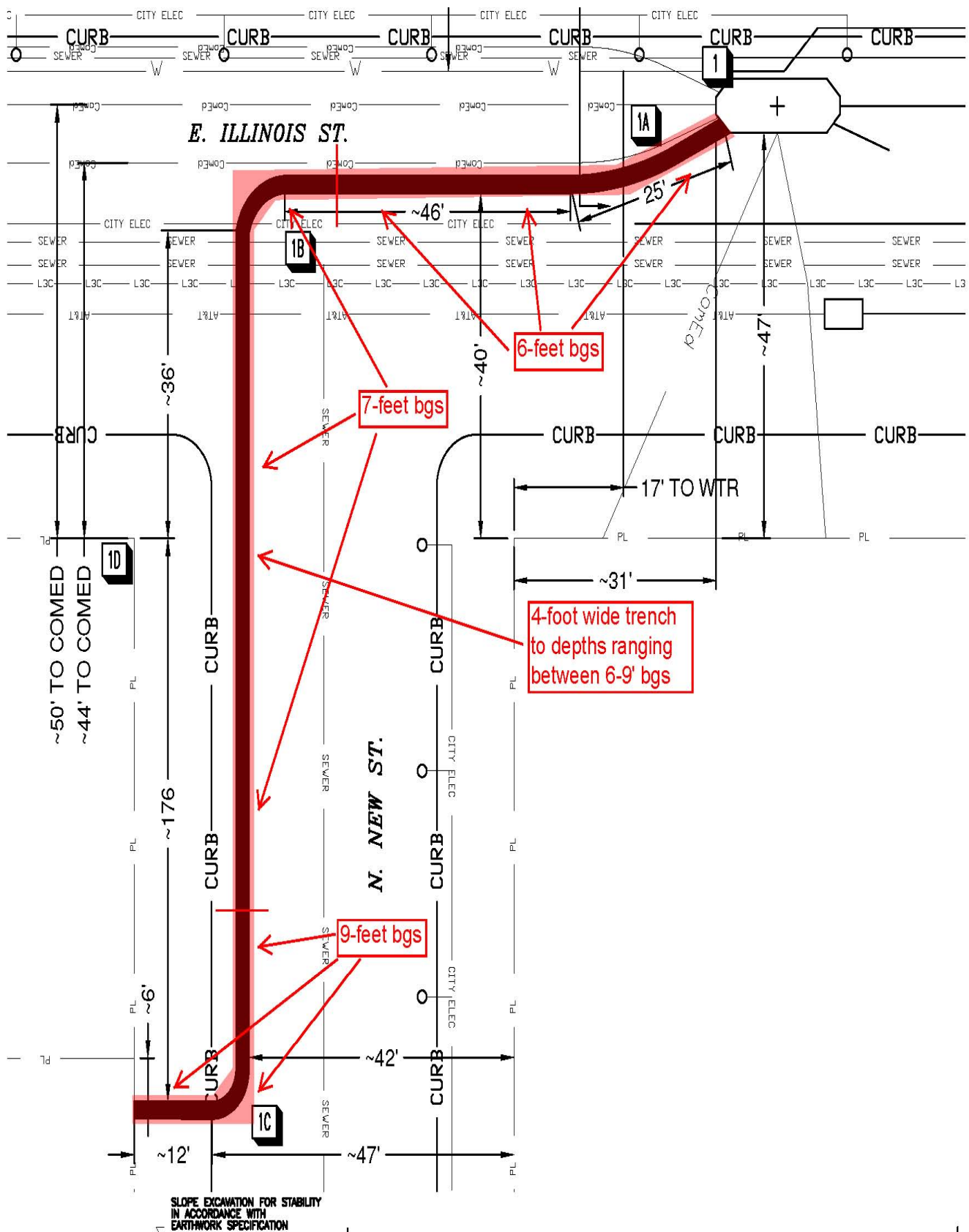
CDPH Approval / Date

[Handwritten Signature]
8/19/2013

Please return this completed form along with maps showing exact site location to CDPH at 333 S. State St., Room 200, Chicago, Illinois 60604 during normal business hours (8:30 AM - 4:30 PM, Monday through Friday)

For CDPH Use Only

Annotated Drawing



AECOM
750 Corporate Woods Parkway
Vernon Hills, IL 60061
847-279-2500
www.aecom.com

455 NORTH PARK ST
CHICAGO, IL

COMED SERVICE INSTALLATION EXCAVATION LOCATION MAP

Drawn: BRS 9/16/2013

Checked: SCK 9/16/2013

Approved: SCK 9/16/2013

PROJECT
NUMBER 60241812

FIGURE
NUMBER 1